SFT Energy

Appendix B

Introduction

The SFT / Calorimeter energy algorithm is applied to 998 available neutrino interaction candidates (Phase 1, Phase 2 events, plus all other events considered to be neutrino candidates as of 20 November 2002. The procedure is automated sufficiently to be incorporated in *e*/*g* searches or as a part of a total event energy calculation.

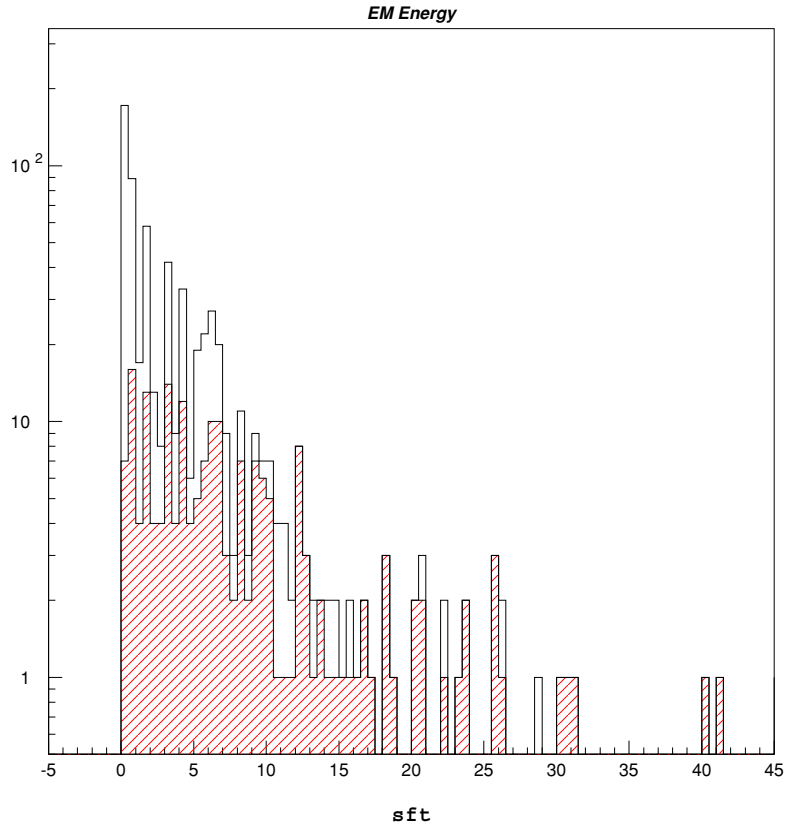

Figure B1. The SFT (only) energy distribution for all events (*line*) and for events with > 2 GeV of associated energy in the calorimeter (*filled*). Units are GeV.

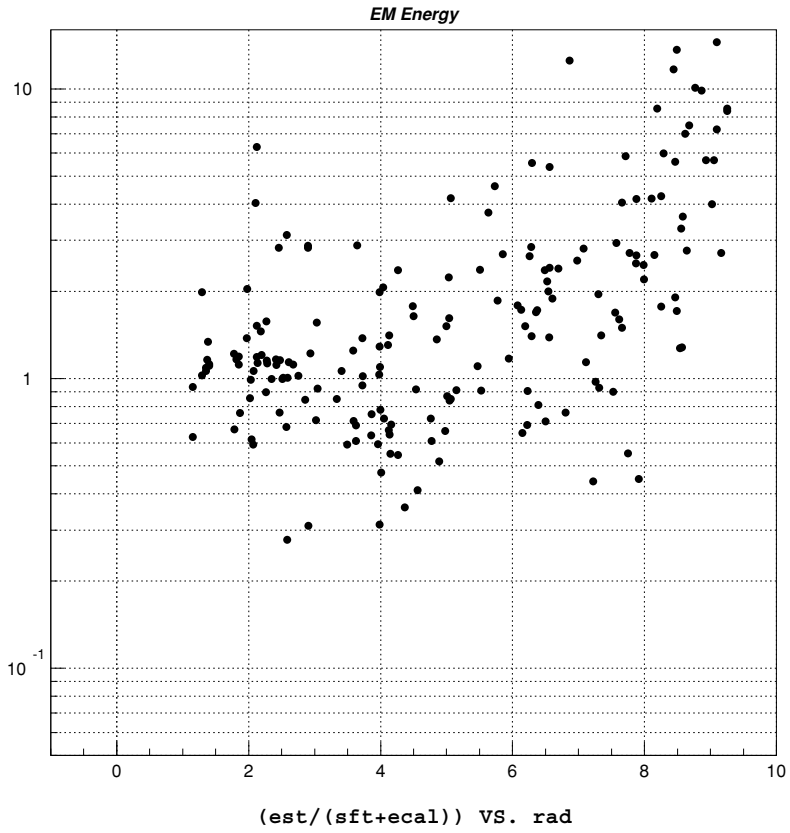

Figure B2. The estimated energy in a shower (from calorimeter only) *vs*. the total radiation length in the emulsion modules for events with $E_{cal} > 2$ GeV.

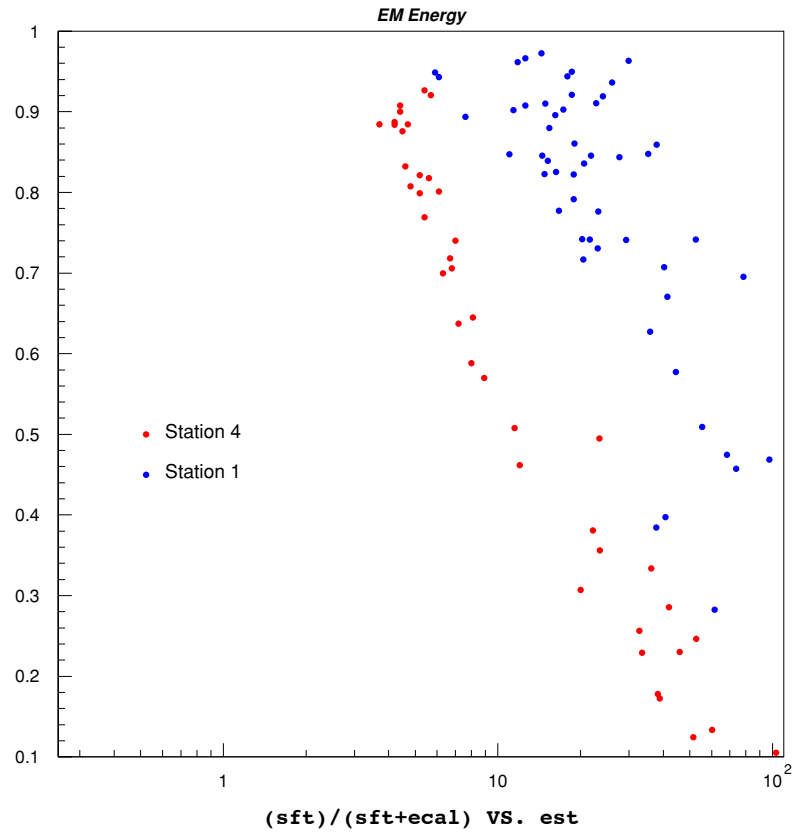

Figure B3. The fraction of the SFT energy *vs* the estimated energy expected from the corrected calorimeter energy given the depth in radiation lengths. Only data from Station 1 and 4 are plotted to better illustrate the trends.